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1. (ONCE AMENDED) A position information management system wherein information from a positioning system is acquired in an information terminal and is processed in a central system so as to manage information on a position of the information terminal, comprising:

a plurality of kinds of positioning systems including a Global Positioning System and radio equipment which uses radio waves to determine the position of the information terminal; and

an information terminal for automatically changing any of said positioning systems in an unavailable state, over to an available one of said positioning systems so as to acquire a current position thereof by the use of the positioning system available.

2. (NOT AMENDED) The position information management system as set forth in claim 1, wherein said information terminal includes a built-in device which detects a moving direction and a moving speed of said information terminal, and even when all of said positioning systems have become unavailable, said information terminal independently detects and displays its current position.

3. (ONCE AMENDED) The position information management system as set forth in claim 1, wherein a third party can acquire [the] a position of a holder of said information terminal through the central system.

- 4. (NOT AMENDED) The position information management system as set forth in claim 3, wherein the third party is the holder of said information terminal.
- 5. (ONCE AMENDED, NOT AMENDED HEREIN) The position information management system as set forth in claim 3, wherein a movement of the current position of the holder of said information terminal is supervised, and when said holder of said information terminal has not moved from an identical site for a predetermined time period, an alarm is raised upon a judgement that an unusual situation has occurred to said holder.

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- 6. (NOT AMENDED) The position information management system as set forth in claim 1, wherein said information terminal transmits position information of a destination to the central system, thereby to automatically download map data of an appropriate scale from said central system on demand, the map data containing the current position of said information terminal and a position of the destination, and to display said map data.
- 7. (NOT AMENDED) The position information management system as set forth in claim 1, wherein said information terminal retains minimum map data of a region in which a holder thereof wants to move, in the form of an IC card.
- 8. (ONCE AMENDED) The position information management system as set forth in claim 1, wherein said information terminal retains map data downloaded from the central system for a certain period of time, and when the map data is needed [before becomes necessary] again, it is searched for from within the map data retained in said information terminal and is displayed.
- 9. (NOT AMENDED) The position information management system as set forth in Claim 8, wherein said information terminal sets a time period for retaining map data of higher use frequency, to be longer than a certain period of time.

10. (ONCE AMENDED) An information terminal which can communicate with a central system for managing position information, and which acquires information from a positioning system so as to display information on a position of the information terminal, comprising:

<u>an</u> interface [means] being serviced by a plurality of kinds of positioning systems including a Global Positioning System and radio equipment which uses radio waves to determine the position of the information terminal; and

[control] a controller [means for] automatically changing any of the positioning systems in an unavailable state, over to an available one of said positioning systems so as to acquire a current position of said information terminal by the use of the positioning system available.

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- 11. (NOT AMENDED) The information terminal as set forth in claim 10, further comprising a built-in device which detects a moving direction and a moving speed of said information terminal, and wherein even when all of said positioning systems have become unavailable, said information terminal independently determines and displays its current position.
- 12. (NOT AMENDED) The information terminal as set forth in claim 10, wherein a third party can acquire the position of a holder of said information terminal through the central system.
- 13. (NOT AMENDED) The information terminal as set forth in claim 12, wherein the third party is the holder of said information terminal.
- 14. (ONCE AMENDED, NOT AMENDED HEREIN) The information terminal as set forth in claim 12, wherein a movement of the current position of the holder of said information terminal is supervised, and when said holder of said information terminal has not moved from an identical site for a predetermined time period, an alarm is raised upon a judgement that an unusual situation has occurred to said holder.
- 15. (NOT AMENDED) The information terminal as set forth in claim 10, wherein said information terminal transmits position information of a destination to the central system, thereby to automatically download map data of an appropriate scale from said central system on demand, the map data containing the current position of said information terminal and a position of the destination, and to display said map data.
- 16. (NOT AMENDED) The information terminal as set forth in claim 10, wherein said information terminal retains minimum map data of a region in which a holder thereof wants to move, in the form of an IC card.

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wherein said information terminal retains map data downloaded from the central system for a certain period of time, and when the map is data needed [before becomes necessary] again, it is searched for from within the map data retained in said information terminal and is displayed.

- 18. (NOT AMENDED) The information terminal as set forth in claim 17, wherein said information terminal sets a time period for retaining map data of higher use frequency, to be longer than a certain period of time.
- 19. (NOT AMENDED) The information terminal as set forth in claim 10, wherein said information terminal is a terminal of portable telephone type, in which an antenna for the positioning systems is disposed in a cover for an input button portion of said information terminal.

20. (ONCE AMENDED) A portable radio terminal, comprising:

<u>a</u> position information acquisition [means for] <u>unit</u> obtaining current position information from one of a plurality of kinds of positioning systems including Global

<u>Positioning System and radio equipment which uses radio waves to determine the position of the portable radio terminal, and changing any of the positioning systems in an unavailable state, over to an available one of the positioning systems; and</u>

[means for] a transmitting unit transmitting the position information obtained by said position information acquisition [means] unit, to another equipment through a radio channel, in compliance with a request for said position information made through the radio channel by the other equipment.

21. (ONCE AMENDED) The portable radio terminal as set forth in claim 20, further comprising [means for] a display unit displaying a map which contains a destination, on the basis of position information of the destination.

22. (ONCE AMENDED) The portable radio terminal as set forth in claim 21,



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wherein the display [means] unit displays a map of an appropriate scale containing the current position of said portable radio terminal and said destination.

(ONCE AMENDED) The portable radio terminal as set forth in claim 20, 23. further comprising:

[means] an acquiring unit connected to [another] additional equipment, for acquiring position information of a third party; and

[means for] an outputting unit outputting the acquired position information of the third party.

24. (ONCE AMENDED) A portable radio terminal, comprising:

a position information acquisition [means for] unit obtaining current position information [on the basis of a radio wave from a satellite] from one of a plurality of positioning systems including a Global Positioning System and radio equipment which uses radio waves to determine the position of the portable radio terminal, and changing any of the positioning systems in an unavailable state, over to an available one of the positioning systems;

[means for] a connection unit connecting said portable radio terminal through a radio channel with a center which manages current position information of a plurality of portable radio telephone terminals;

[means for] a registering unit registering the current position information obtained by said position information acquisition [means] unit, in the center through the connection [means] unit; and

[means for] an acquiring unit acquiring a current position of the portable radio terminal of a third party from said center through said connection [means] unit.

- 25. (ONCE AMENDED) The portable radio terminal as set forth in claim 24, wherein an antenna for said position information acquisition [means] unit is disposed in a cover for an input button portion of said portable radio terminal.
  - (ONCE AMENDED) The portable radio terminal as set forth in claim 24, 26.

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further comprising [means for] a display unit displaying a map which contains the acquired current position of said portable radio terminal of the third party.

(ONCE AMENDED) The portable radio terminal as set forth in claim 26, wherein the display [means] unit displays a map of an appropriate scale containing a current position of said portable radio terminal itself and said current position of said portable radio terminal of said third party.

Please ADD the following NEW claims, which correspond to objected to claims 5 and 14, which are rewritten to be in allowable form:

28. (NEW) A position information management system wherein information from a positioning system is acquired in an information terminal and is processed in a central system so as to manage information on a position of the information terminal, comprising:

a plurality of kinds of positioning systems; and

an information terminal for automatically changing any of said positioning systems in an unavailable state, over to an available one of said positioning systems so as to acquire a current position thereof by the use of the positioning system available,

wherein a third party can acquire the position of a holder of said information terminal through the central system,

wherein a movement of the current position of the holder of said information terminal is supervised, and when said holder of said information terminal has not moved from an identical site for a predetermined time period, an alarm is raised upon a judgement that an unusual situation has occurred to said holder.

29. (NEW) An information terminal which can communicate with a central system for managing position information, and which acquires information from a positioning system so as to display information on a position of the information terminal, comprising:

an interface being serviced by a plurality of kinds of positioning systems; and

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a controller automatically changing any of the positioning systems in an unavailable state, over to an available one of said positioning systems so as to acquire a current position of said information terminal by the use of the positioning system available,

wherein a third party can acquire the position of a holder of said information terminal through the central system,

wherein a movement of the current position of the holder of said information terminal is supervised, and when said holder of said information terminal has not moved from an identical site for a predetermined time period, an alarm is raised upon a judgement that an unusual situation has occurred to said holder.

Moreover, please ADD the following NEW claim:

30. (NEW) A portable notification system comprising:

a positioning system acquiring a position of the portable alarm system; and

a timing device connected to the positioning system, wherein when the position of the portable notification system has not changed for a predetermined period of time, then a notification device is activated.

31. (NEW) A notification method comprising:

acquiring a current position; and

signaling if the current position has not changed for a predetermined period of time.

## **REMARKS**

Reconsideration and allowance of the above-referenced application are respectfully requested.

## I. STATUS OF THE CLAIMS

Claims 1-27 are pending.

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